



Natural Resources Conservation Service



National Cooperative Soil Survey

# National Soil Survey Center

## News and Notifications

USDA-NRCS  
National Soil Survey Center  
Northeast Work Planning Workshop  
June 2016

# National Soil Survey Center

## Personnel Changes

Director

National Leader for Soil Business Systems

Soil Scientist – Soil Survey Standards Branch

9 Lab Technicians

Post-Doc Positions

# Research and Laboratory Branch

- The Kellogg Soil Survey Laboratory (KSSL) serves multiple clients.
- Priority needs to be on reimbursable projects
  - NEON Project 47 sites across US ~ 900 pedons
  - National Wetland Condition Assessment ~ 1000 pedons across US
- Requirements for submitting materials:
  - Refer to web site for most up-to-date information
  - [http://www.nrcs.usda.gov/Internet/FSE\\_DOCUMENTS/nrcs142p2\\_052597.zip](http://www.nrcs.usda.gov/Internet/FSE_DOCUMENTS/nrcs142p2_052597.zip).
  - Contact your liaison if you have questions



## NSSC Liaisons

- Provide assistance to SSD offices and to State Soil Scientists
- Project planning and status
- Technical assistance
- POC



# Requests vs. Resources

- Total analysis requests typically exceed KSSL analytical capacity
- Technician FTEs currently are the limit on analytical throughput

# Research and Laboratory

- Research emphasis
  - Soil Systems Research is continuing as the central framework for activities
  - Soil Dynamic Properties





# Soil Business Systems

## Software

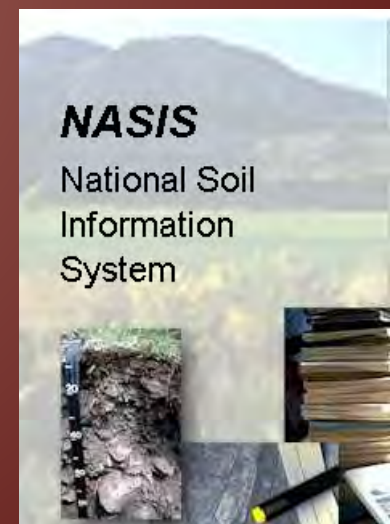
### Web Soil Survey

- Still the #1 USDA outreach site
- Up to 100 distinct polygonal areas may be defined for a single AOI



### NASIS 7.0

- Database changes including Ecological Site Inventory data object
- NASIS forms

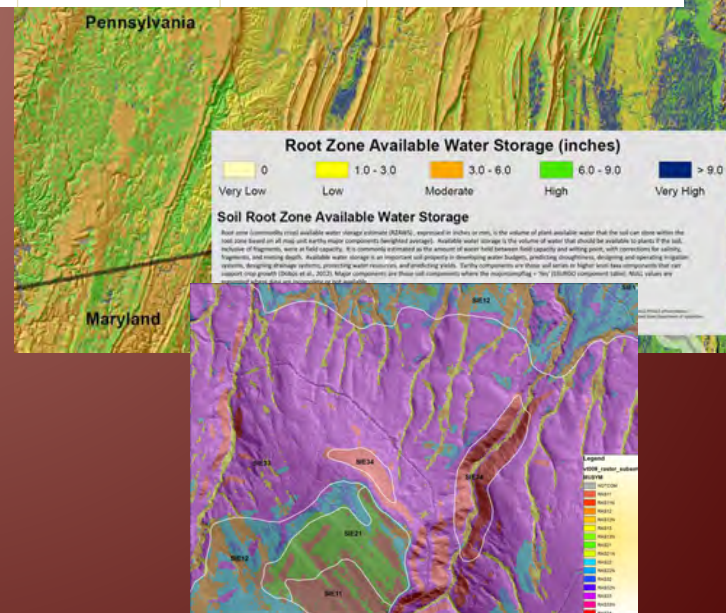


# Data

- Data downloads through Web Soil Survey

- New state and CONUS downloads through Geospatial Data Gateway
- February 2016 Release based on October 2015 Official Release
- Raster Soil Survey for Essex County, VT posted to Geospatial Data Gateway

Version	Template Database	Download Size	Download Link
Survey Area: Version 2, Dec 10, 2013 Tabular: Version 2, Dec 10, 2013 Spatial: Version 2, Dec 10, 2013	soildb_ID_2003 Access 2003 Version 36	4.7 MB	<a href="#">wss_SSA_ID600_soildb_ID_2003_[2013-12-10].zip</a>
Survey Area: Version 9, Dec 10, 2013 Tabular: Version 7, Dec 10, 2013 Spatial: Version 2, Dec 10, 2013	soildb_ID_2003 Access 2003 Version 36	8.4 MB	<a href="#">wss_SSA_ID601_soildb_ID_2003_[2013-12-10].zip</a>
Survey Area: Version 8, Dec 10, 2013 Tabular: Version 7, Dec 10, 2013 Spatial: Version 2, Dec 10, 2013	soildb_ID_2003 Access 2003 Version 36	13.9 MB	<a href="#">wss_SSA_ID604_soildb_ID_2003_[2013-12-10].zip</a>





# Soil Quality and Ecosystems

## Projects

**Rapid Carbon  
Assessment**

Status

**Soil Health Rapid  
Assessment Tool**

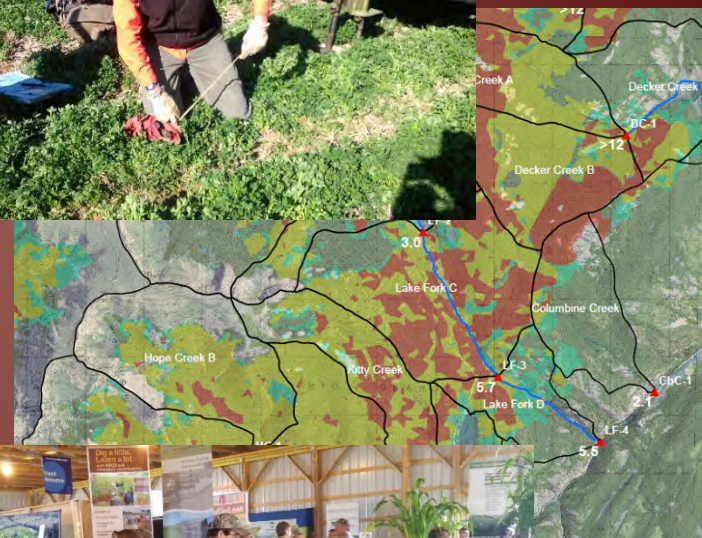
Scheduled for testing

**Soil Quality Training**  
SH101, SQ Buckets,  
TSS Module 7,  
Land Grant SH Training,  
Webinars

# Technical Soil Services (TSS)

Help internal and external customers use soils information appropriately and effectively

- Site assessments for conservation planning
- Assistance to access and apply soils information
- Education and outreach



➤ FY2016 Efforts

- Increase involvement in soil health through design and initial implementation of a Soil Health Monitoring and Enhancement Network (SHMEN)
- 2011 National Wetland Condition Assessment to inform agency wetland-related activities



# Interpretations Products

- **Interpretations Training:**
  - Understanding Interpretations
  - Science of Interpretations
  - Designing and Developing Interpretations
- **Subaqueous Soil Interpretations**
- **Soil Habitat for Gopher Tortoise**



# Interpretations Products

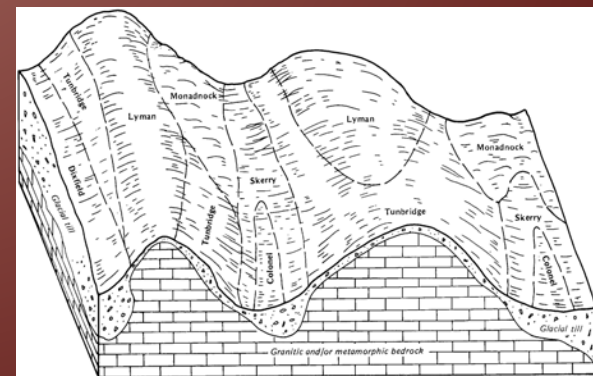
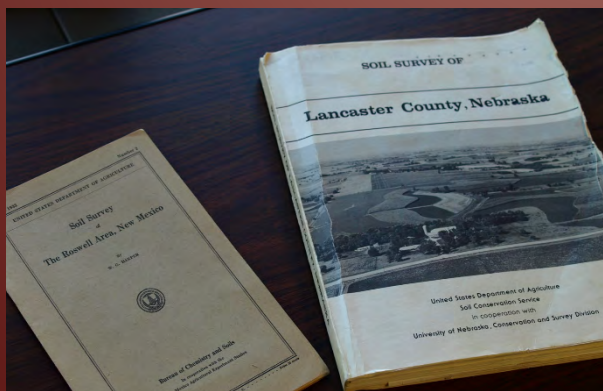
- **NPS interagency agreement**
- **GIS tools to facilitate soil survey data use**
- **Soil interpretation for geothermal heating**
- **K, T, I, WEG, HSG, Corrosivity**





# Standards Branch

- Technical Documents
- Training
- Editing





# Technical Documents

